

Title (en)

LENGTH OR ANGLE MEASURING APPARATUS WITH DIFFERENTIAL SCREW FOR MOIRE ADJUSTMENT

Title (de)

LÄNGEN- ODER WINKELMESSGERÄT MIT DIFFERENTIALSCHRAUBE ZUR MOIRE-EINSTELLUNG

Title (fr)

APPAREIL DE MESURE D'ANGLE OU DE LONGUEUR COMPORTANT UNE VIS DIFFERENTIELLE POUR LE REGLAGE DE MOIRE

Publication

EP 1313998 B1 20050928 (DE)

Application

EP 01971751 A 20010705

Priority

- DE 10041692 A 20000824
- EP 0107696 W 20010705

Abstract (en)

[origin: WO0216862A1] The invention relates to a length or angle measuring apparatus, wherein a holding device (6) that can be turned by means of a differential screw (16) and a flector joint (5) is used in order to perform an adjustment with the greatest possible sensitivity of the angle between a scale (2) and a scanning disc (9). Advantages in terms of vibration resistance of the array and the amount of components required are obtained by combining the differential screw (16) with a flector joint (5).

IPC 1-7

G01B 3/00; **G01D 5/38**

IPC 8 full level

G01B 3/00 (2006.01); **G01D 5/38** (2006.01)

CPC (source: EP US)

G01B 3/002 (2013.01 - EP US); **G01D 5/38** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0216862 A1 20020228; AT E305597 T1 20051015; DE 10041692 A1 20020307; DE 50107584 D1 20060209; EP 1313998 A1 20030528; EP 1313998 B1 20050928; US 2003172538 A1 20030918; US 6810601 B2 20041102

DOCDB simple family (application)

EP 0107696 W 20010705; AT 01971751 T 20010705; DE 10041692 A 20000824; DE 50107584 T 20010705; EP 01971751 A 20010705; US 36239203 A 20030224